## Research Articles

1. **Collective Animal Behaviour Based Optimization Algorithm for IIR System Identification Problem**  
   P. Upadhyay, Department of Electronics and Communication Engineering, National Institute of Technology, Durgapur, India  
   R. Kar, Department of Electronics and Communication Engineering, National Institute of Technology, Durgapur, India  
   D. Mandal, Department of Electronics and Communication Engineering, National Institute of Technology, Durgapur, India  
   S. P. Ghoshal, Department of Electrical Engineering, National Institute of Technology, Durgapur, India

36. **Developmental Swarm Intelligence: Developmental Learning Perspective of Swarm Intelligence Algorithms**  
   Yuhui Shi, Department of Electrical and Electronic Engineering, Xi’an Jiaotong Liverpool University, Jiangsu, China

55. **Monitoring the Vital Signs in a Complex Social System: An Example Using Cultural Algorithms**  
   Xiangdong Che, College of Technology, Eastern Michigan University, Ypsilanti, MI, USA  
   Areej Salaymeh, Department of Computer Science, Wayne State University, Detroit, MI, USA  
   Robert Reynolds, Department of Computer Science, Wayne State University, Detroit, MI, USA

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